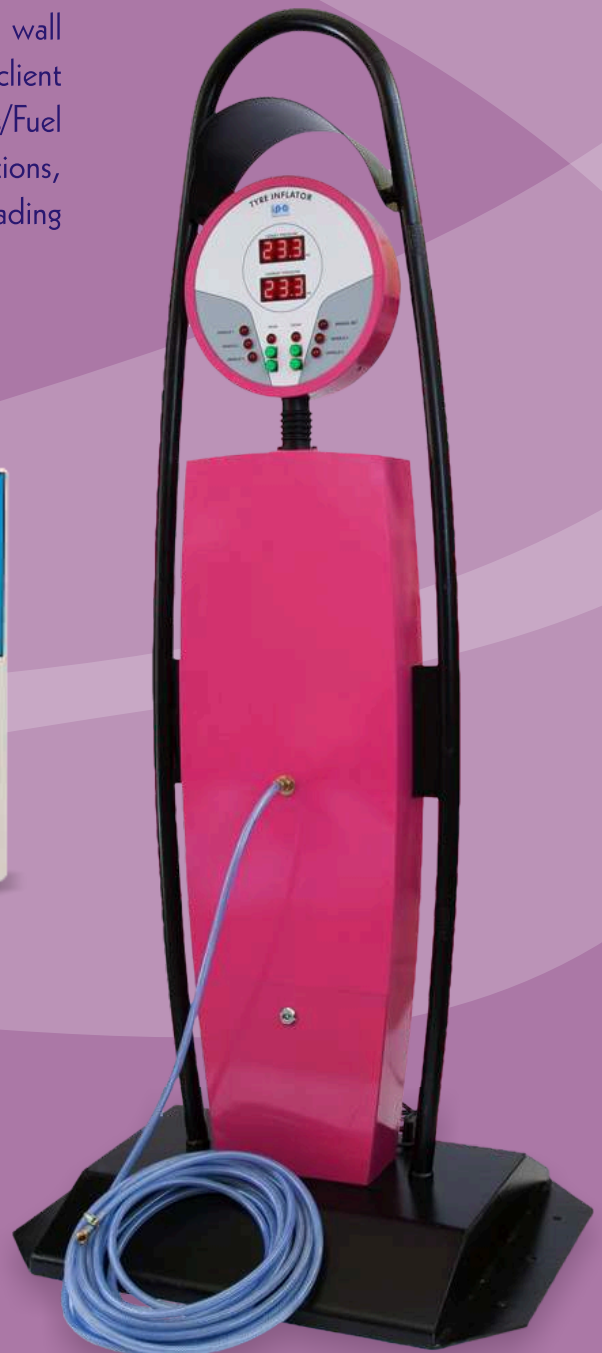


# TYRE INFLATOR

IPA presents high quality, accurate, safe and easy to install Tyre Inflators equipped with intelligent software controlled operations resulting in automatic filling to the pre-set level. Single equipment can inflate and deflate tyres of all types of vehicles. Our tyre inflators are available in floor and wall mounting and can be customized as per the client specifications. Our products can be used in areas like Gas/Fuel Stations, Transport Companies, Tyre shops, Service stations, Wheel alignment shops, Automobile Garages, Tyre retreading shops and automobile companies etc.



## SPECIFICATIONS

PARAMETERS	SPECIFIED VALUE
Max input Pressure	145 psi / 10 bar
Pressure setting range	0-145 psi / 0-10 bar
Max operating pressure	145 psi / 10 bar
Over Pressure	232 psi / 16 bar
Burst Pressure	350 psi / 24 bar
Resolution	1 psi / 0.1 bar
Inflation / deflation accuracy	$\pm 0.5\%$ of full scale
Sensor	Piezo-resistive sensor
Sensor Range	145 psi / 10 bar
Zero drift	Nil. Automatically corrected by A/D converter
Display	2 Nos of 3 digit, 1 inch, 7 segment bright daylight LED
Power Requirements	230 V $\pm$ 10%, 50 Hz $\pm$ 5%, Single phase AC

### TYRE INFLATOR COMPRISES OF

- Two digital readouts one for setting and reading the TARGET PRESSURE and other for reading the CURRENT PRESSURE.
- 10 mtr. hose with single end nozzle.
- Pneumatic valves to regulate and control air flow rate during inflation and deflation.
- Highly advanced and powerful 32 bit microcontroller and specially developed software to carry out all functions.
- High Precision piezo resistive sensor.
- Integrated air filter elements.

### SPECIAL FEATURES

- Ensures appropriate pressure on tyres resulting in smooth ride and less consumption of fuel.
- Auto identification of tyre size.
- All weather enclosure with an operating temperature up to 55° C.
- A buzzer to indicate progress and completion of inflation/deflation.
- Inflates / deflates tyres to the required pressure with an accuracy of  $\pm 0.5\%$  of full scale.
- Easy and simple operation.
- Intelligent software that will automatically adjust filling speed.
- Compressed air is not wasted, thereby saves power.
- Reduces contamination of tube by dust, moisture and oil particles with the help of integrated filter element thereby enhancing its life.
- Piezo-resistive sensor is completely vacuum tight and extremely burst proof making it very robust and compact structure.



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